

## EAST Search History

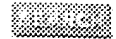
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	query\$3 and database and map and location	EPO; JPO	OR	ON	2006/03/07 18:37
S1	48	("6134583" "6219700" "6219700" "6112242" "6122643" "6229534" "5423034" "5557790" "5583914" "5855020" "5864676" "5877765" "5884301" "5906657" "5909551" "5937417" "5940831" "5944793" "5953528" "5961603" "5987612" "6014692" "6018801" "6032162" "6047327" "6061738" "6061738" "6064977" "6074299" "6091409" "6122520" "6167448" "6178460" "6182113" "6192415" "6202023" "6209027" "6237030" "6240443" "6243039" "6247133" "6269370" "6295502" "6321091" "6334145" "6389460" "6496865" "6519626" "6675214" "5644718").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:03
S2	48	("6009266" "5898836" "6076104" "6078886" "6131067" "6167449" "6209048" "6219818" "6219818" "6230196" "5761673" "5804803" "5809415" "5848413" "5884029" "5910986" "5918012" "5941957" "5946697" "5958013" "5971277" "5987504" "6012086" "6035332" "6038610" "6064981" "6078935" "6098106" "6133916" "6173279" "6175863" "6185733" "6199071" "6216110" "6216110" "6243718" "6249794" "6321227" "6377961" "6397246" "6405037" "6453320" "6533173" "6549625" "6590507" "6650877" "6674993" "6701415" "6716101" "6766335").pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:03
S3	96	S1 S2	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:57
S4	10846802	@ad<"20000608"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:06
S5	37683	query\$3 same database	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:06

## EAST Search History

S6	1550277	location	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:07
S7	28505	S5 and S6	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:07
S8	7933	S4 and S7	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:07
S9	17278	709/217.ccls. 709/203.ccls. 709/219.ccls. 707/3.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:07
S10	1219	S8 and S9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S11	5836	S10 707/1.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S12	21388	S9 707/1.ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S13	1442	S12 and S8	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S14	1442	S13 and S4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S15	70411	re\$direct\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:08
S16	132	S14 and S15	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 15:09
S17	4	poi.as.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2006/03/07 18:37


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 Terms used **locational database mapping**

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### 81 [A survey of routing techniques for mobile communications networks](#)

S. Ramanathan, Martha Steenstrup

 October 1996 **Mobile Networks and Applications**, Volume 1 Issue 2

Publisher: Kluwer Academic Publishers

 Full text available: [pdf\(276.88 KB\)](#)    Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Mobile wireless networks pose interesting challenges for routing system design. To produce feasible routes in a mobile wireless network, a routing system must be able to accommodate roving users, changing network topology, and fluctuating link quality. We discuss the impact of node mobility and wireless communication on routing system design, and we survey the set of techniques employed in or proposed for routing in mobile wireless networks.

### 82 [Model-driven development of Web applications: the AutoWeb system](#)



Piero Fraternali, Paolo Paolini

 October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(6.94 MB\)](#)    Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

**Keywords:** HTML, WWW, application, development, intranet, modeling

### 83 [Office-by-example: an integrated office system and database manager](#)



Kyu-Young Whang, Art Ammann, Anthony Bolmarcich, Maria Hanrahan, Guy Hochgesang, Kuan-Tsae Huang, Al Khorasani, Ravi Krishnamurthy, Gary Sockut, Paula Sweeney, Vance Waddle, Moshé Zloof

 October 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(2.86 MB\)](#)    Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Office-by-Example (OBE) is an integrated office information system that has been under development at IBM Research. OBE, an extension of Query-by-Example, supports various


office features such as database tables, word processing, electronic mail, graphics, images, and so forth. These seemingly heterogeneous features are integrated through a language feature called example elements. Applications involving example elements are processed by the database manager, an integrated ...

#### 84 Information retrieval: Inferencing in information retrieval

Alexa T. McCray

February 1992 **Proceedings of the workshop on Speech and Natural Language HLT '91**

**Publisher:** Association for Computational Linguistics

Full text available:  [pdf\(630.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)


We have been addressing the problem of providing access to the free text in biomedical databases. The focus of our work is the development of SPECIALIST, an experimental NLP system for the biomedical domain. The system includes a broad coverage parser supported by a large lexicon, a module that provides access to extensive biomedical knowledge sources, and a retrieval module that allows us to carry out experiments in information retrieval. We have recently conducted experiments with a test colle ...

#### 85 Location-aware mobile applications based on directory services

Henning Maass

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  [pdf\(421.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the I ...

#### 86 The peril of evaluating location management proposals through simulations

Thomas Kunz, Atif A. Siddiqi, John Scourias

November 2001 **Wireless Networks**, Volume 7 Issue 6


**Publisher:** Kluwer Academic Publishers

Full text available:  [pdf\(184.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The challenge of supporting rapidly growing numbers of mobile users, while constrained by limited radio spectrum, is being faced by cellular network operators worldwide. Several location management schemes have been proposed to improve the performance of such networks, but a fair assessment and comparison of their performance is difficult without an accurate mobility model. The performance of location management schemes depends considerably on subscriber mobility patterns. Some of the recent met ...

**Keywords:** cellular networks, location management, mobility models, performance evaluation

#### 87 On-line reorganization in object databases

 Mohana K. Lakhamraju, Rajeev Rastogi, S. Seshadri, S. Sudarshan

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2


**Publisher:** ACM Press

Full text available:  [pdf\(283.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Reorganization of objects in an object databases is an important component of several operations like compaction, clustering, and schema evolution. The high availability requirements (24 x 7 operation) of certain application domains requires reorganization to be performed on-line with minimal interference to concurrently executing transactions.

In this paper, we address the problem of on-line reorganization in object databases, where a set of objects have to be migrated from one ...

88 Expressive speech-driven facial animation

 Yong Cao, Wen C. Tien, Petros Faloutsos, Frédéric Pighin  
October 2005 **ACM Transactions on Graphics (TOG)**, Volume 24 Issue 4


**Publisher:** ACM Press

Full text available:  [pdf\(16.91 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Speech-driven facial motion synthesis is a well explored research topic. However, little has been done to model expressive visual behavior during speech. We address this issue using a machine learning approach that relies on a database of speech-related high-fidelity facial motions. From this training set, we derive a generative model of expressive facial motion that incorporates emotion control, while maintaining accurate lip-synching. The emotional content of the input speech can be manually s ...

**Keywords:** Facial animation, expression synthesis, independent component analysis, lip synching

89 A social sense of time: Sharing and building digital group histories

 Chia Shen, Neal B. Lesh, Frederic Vernier, Clifton Forlines, Jeana Frost  
November 2002 **Proceedings of the 2002 ACM conference on Computer supported cooperative work**


**Publisher:** ACM Press

Full text available:  [pdf\(7.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Organizations, families, institutions evolve a shared culture and history. In this work, we describe a system to facilitate conversation and storytelling about this collective past. Users explore digital archives of shared materials such as photographs, video, and text documents on a tabletop interface. Both the software and the interface encourage natural conversation and reflection. This work is an application of our ongoing research on systems for multiple, co-present users to explore digital ...

**Keywords:** digital story sharing, group history, single-display groupware

90 Selective mapping: a discrete optimization approach to selecting a population subset for use in a high-density genetic mapping project

 Daniel G. Brown, Todd J. Vision, Steven D. Tanksley  
February 2000 **Proceedings of the eleventh annual ACM-SIAM symposium on Discrete algorithms**

**Publisher:** Society for Industrial and Applied Mathematics

Full text available:  [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

91 Early user---system interaction for database selection in massive domain-specific online environments

 Jack G. Conrad, Joanne R. S. Claussen  
January 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(845.54 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance

upon thresholds below which databases with relevant documents are not search ...

**Keywords:** Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction

92 Applications and user tools: Update-by-dialogue: an interactive approach to database modification



G. C. H. Sharman

August 1977 **Proceedings of the 1977 ACM SIGMOD international conference on Management of data**

**Publisher:** ACM Press

Full text available: pdf(796.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

In recent years a great deal of work has been devoted to the design of interactive database query systems suitable for 'end users'. By contrast, there appears to be little comparable work on interactive facilities for database modification. This is surprising for two reasons. Firstly, update operations are of great practical significance. Users of transaction processing systems often spend a greater proportion of their time modifying a database than retrieving information from it. Secondly, upda ...

93 Session III: Mobility Management in multimedia networks: Tracking Highly Mobile Endpoints



Fabrice Tchakountio, Ram Ramanathan

July 2001 **Proceedings of the 4th ACM international workshop on Wireless mobile multimedia**

**Publisher:** ACM Press

Full text available: pdf(383.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We consider the problem of routing to endpoints with very high "effective" mobility, i.e., when the period between changes in an endpoint's location is comparable to the time it takes for the location tracking mechanism to converge. This could happen due to increased endpoint speed, decreased cell size, or increased control message latency. When this happens, conventional location tracking approaches fail -- by the time such mechanisms converge, the endpoint has already moved to a new location.W ...

94 Query optimization by using derivability in a data warehouse environment



J. Albrecht, W. Hümmer, W. Lehner, L. Schlesinger

November 2000 **Proceedings of the 3rd ACM international workshop on Data warehousing and OLAP**

**Publisher:** ACM Press

Full text available: pdf(182.97 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

95 Automated Generation of Visual Simulation Databases Using Remote Sensing and GIS

Martin Suter, D. Nuesch

October 1995 **Proceedings of the 6th conference on Visualization '95**

**Publisher:** IEEE Computer Society

Full text available: pdf(1.15 MB) Additional Information: [full citation](#), [abstract](#), [citations](#)  
[Publisher Site](#)

This paper reports on the development of a strategy to generate databases used for real-time interactive landscape visualization. The database construction from real world data is intended to be as automated as possible. The primary sources of information are remote sensing imagery recorded by Landsat's Thematic Mapper (TM) and digital elevation models (DEM). Additional datasets (traffic networks and buildings) are added to extend the database. In a first step the TM images are geocoded and then ...

**Keywords:** remote sensing, geographic information systems, geographic databases, satellite images, classification, visual simulation, level of detail

96 Can shared-memory model serve as a bridging model for parallel computation?

Phillip B. Gibbons, Yossi Matias, Vijaya Ramachandran  
June 1997 **Proceedings of the ninth annual ACM symposium on Parallel algorithms and architectures**


**Publisher:** ACM Press

Full text available:  [pdf\(1.62 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

97 A shared, segmented memory system for an object-oriented database

Mark F. Hornick, Stanley B. Zdonik  
January 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(2.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper describes the basic data model of an object-oriented database and the basic architecture of the system implementing it. In particular, a secondary storage segmentation scheme and a transaction-processing scheme are discussed. The segmentation scheme allows for arbitrary clustering of objects, including duplicates. The transaction scheme allows for many different sharing protocols ranging from those that enforce serializability to those that are nonserializable and require communi ...

98 The disappearing computer: Delivering real-world ubiquitous location systems

Gaetano Borriello, Matthew Chalmers, Anthony LaMarca, Paddy Nixon  
March 2005 **Communications of the ACM**, Volume 48 Issue 3

**Publisher:** ACM Press


Full text available:  [pdf\(159.21 KB\)](#)  [html\(27.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

To be widely adopted, location-aware computing must be as effortless, familiar, and rewarding as searching the Web. There are many challenges to this quest, but recent progress has demonstrated accurate location estimation using available wireless networking.

99 Managing images: Geographic location tags on digital images

Kentaro Toyama, Ron Logan, Asta Roseway  
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

**Publisher:** ACM Press

Full text available:  [pdf\(1.97 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe an end-to-end system that capitalizes on geographic location tags for digital photographs. The World Wide Media eXchange (WWMX) database indexes large collections of image media by several pieces of metadata including timestamp, owner, and critically, location stamp. The location where a photo was shot is important because it says much about its semantic content, while being relatively easy to acquire, index, and search. The process of building, browsing, and writing applications for ...

**Keywords:** GIS, digital photography, geographic interfaces, image databases

100 A name service for evolving heterogeneous systems

M. Schwartz, J. Zahorjan, D. Notkin



November 1987 **ACM SIGOPS Operating Systems Review , Proceedings of the eleventh ACM Symposium on Operating systems principles SOSP '87**, Volume 21

Issue 5

**Publisher:** ACM Press

Full text available: pdf(1.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A prototype implementation has been built as part of the Heterogeneous Computer Systems project at the University of Washington. This service supports RPC binding and other applications in our heterogeneous environment. Measurements of the performance of this prototype show that it is close to that of the underlying name services, due largely to the use of specialized caching techniques.

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